

ABSTRACT OF THE DISCLOSURE

5 A nozzle comprising a nozzle body having an inlet face, an outlet face, and an
inlet flow axis passing through the inlet and outlet faces, and two or more slots extending
through the nozzle body from the inlet face to the outlet face. Each slot has a slot axis
and the slot axis of at least one of the slots is not parallel to the inlet flow axis of the
nozzle body. In another embodiment, the nozzle comprises a nozzle body having an
10 inlet face, an outlet face, and an inlet flow axis passing through the inlet and outlet faces,
and two or more slots extending through the nozzle body from the inlet face to the outlet
face, each slot having a slot axis, wherein none of the slots intersect other slots and all of
the slots are in fluid flow communication with a common fluid supply conduit. The
nozzles may be used to inject secondary fuel in a burner system having a central burner
15 combusting a primary fuel surrounded by secondary fuel injection nozzles.

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